COMPLETED DATE: 7-7-15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

BUREAU OF LAND / FIELD OPERATIONS SECTION RCRA INSPECTION REPORT

GENERAL FACILITY INFORMATION

USEPA ID #:	N/A			BOL ID #:	1190505040		
Facility Name:	Hartford Free Hyd	irocarbon Plume		Phone #:			
Location	Northern Hartford			County:	Madison		
City:	Hartford	State:	IL	Zip Code:	62048		
Region:	Collinsville	Inspection Date:	5/27-28/15	Time:	30 am-3:30 pm		
Weather:	cloudy, dry, temps	in the 60s		- RECORDS IN			
Latitude:	Longitud	de:	Collection Pt. Desc	cription REELIST	2012		
(Example: Lat.: 4	11.26493 Lon	g.: -89.38294)	Collection Method	Cripting Market Ship	62048 MF 30 am-3:30 pm		
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Notified As:		R	egulated As:	-	1111		
JUL 17 2015							
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CEI: GME:	□ OAM: □	NRR: C	SE: CAO:	FUI to:			
FCI (Other):			<u></u>	CCI:	CSI:		
	No	OTIFICATION DA	ATES (EPA 870	0-12)			
Initial:		Subsequent:	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
	PART A PER	RMIT DATES (EI	PA 3510-3 OR	EPA 8700-23	3)		
Initial:		Amended:		Withdrawn:			
PART B PERMIT							
(Check one if ap	plicable) Applicati	ion Submitted?	Permit Issued	? Date	:		
ACTIVE ENFORCEMENT							
Date facility refe	rred to: USEPA	: IA	AGO:	County State's A	ttorney:		
	ACTIVE ENFORCEMENT ORDERS						
CACO:		CAFO:		Federal Court Or	der:		
Consent Decree	: 3-17-04	IPCB Order:		State Court Orde	r:		

printed 07/21/20 **1**6 12:50 PM by Dave.Gambach p. 2/20

TSD FACILITY ACTIVITY SUMMARY

	TSD FACILITY ACTIVITY SUMMARY							
Activity by Cod		On Part A?	On Part B?	Activity ever done?	Closed?	Being done during inspection?	Exempt per 35 IAC Sec:	
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City:	Hartford			City:				
State:	IL	· Zip Code	: 62048	State:		Zip Code:		
Phone #:		•		Phone #:				
	s) INTERV	/IEWED	TITLE			Рно	NE#	
Chris Martin	1		Environmental 7	Fechnician, Trihy				
Çarl Byrd			Field Supervisor	r, Apex		N/A		
INSPECTI	ON PARTIC	CIPANTS	AGENCY/BU	REAU		Рно	NE#	
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*Report pre	pared by th	•	IMARY OF AP	PARENT VIO	LATIONS			
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X = CONTINUING VIOLATIONS



Illinois Environmental Protection Agency

Bureau of Land & Field Operations Section & Collinsville Regional Office

1190505040—Madison County Hartford Hydrocarbon Plume Groundwater File

RCRA Compliance Sampling Inspection

On May 27 & 28, 2015, I conducted a RCRA Compliance Sampling Inspection in the Village of Hartford. The Hartford Petroleum Release site has numerous groundwater monitoring wells that are routinely monitored as part of the remediation work being conducted for the site. Five of the groundwater monitoring wells serve as sentinel wells for the Hartford Public Water Supply wells. This was a split sampling event requested by USEPA in response to low level Benzene, Toluene, Ethylbenzene and Xylene (BTEX) detections in two sentinel monitoring wells during the 1st quarter 2015 round of groundwater sampling. Chris Martin, Environmental Technician with Trihydro, and Carl Byrd, Field Supervisor with APEX, conducted the sampling activities.

This inspection consisted of splitting samples with APEX from all five sentinel wells. The wells were scheduled to be sampled as part of the second quarter sampling event. The focus of the field inspection was to review the sampling protocol employed by the sampling team and to collect split samples to verify the condition of the groundwater in the sentinel wells.

On May 15, 2015, IEPA received the following report: First Quarter 2015 Sentinel Well Monitoring Summary Report, Hartford Petroleum Release Site, Hartford, Illinois. The groundwater analytical results for sentinel well HMW-025 reported 2.8 ug/L benzene and 1.6 ug/L ethylbenzene. HMW-026 reported 1.0 ug/l ethylbenzene. Total xylenes were detected in all five sentinel monitoring samples; the concentrations were estimated between 1.4 ug/l and 5.4 ug/l.

All five sentinel wells were chosen for the May 27, 2015 sampling event: HMW-25, HMW-26, HMW-27, HMW-28, HMW-29. These wells form an arc that outlies the public water supply well head protection area by approximately 600 feet. They are located upgradient of the interpreted extent of dissolved phase benzene plume located in the northern portion of the Village.

Field Evaluation

During this inspection the second quarter of groundwater sampling was being conducted. The sampling team, Chris Martin and Carl Byrd sampled all five sentinel wells. This was the second quarter they had conducted the groundwater sampling event. Prior to 1st quarter 2015, URS had conducted the quarterly sampling events.

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1190505040—Madison County Hartford Hydrocarbon Plume Groundwater File

Low-flow groundwater sampling methodology was followed for collecting the groundwater monitoring well samples. A monsoon pump was run by a vehicle battery. The vehicle was shut off during sample collection.

Upon uncapping of the well, depth-to-water measurements were collected with a water-level indicator. The readings were taken from the top of the well casing and recorded to the nearest 0.01 foot. All measurement data was recorded in the field log. Headspace readings were not collected based on previous sampling knowledge of these wells.

Polyethylene tubing was measured and cut so that the pump placement would be approximately three feet below the top of the water table. This placement worked since the water level was approximately at the top of the well screen.

Well #	Depth to Water (feet bgs)	Total Depth (feet bgs)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Pump Placement Depth
					(feet bgs)
HWM-25	26.14	38.65	24.00	38.70	29.00
HMW-26	24.61	37.76	25.00	37.76	28.00
HMW-27	29.71	39.35	25.00	39.70	34.00
HMW-28	29.12	39.76	25.00	39.76	33.00
HMW-29	28.25	35.15	25.00	39.70	34.00

bgs =below ground surface

The wells were purged with a Monsoon bladder pump at a rate of 300 ml per minute. Drawdown was continuously measured in each well during purging. Stabilization parameters were collected every five minutes and recorded in the field notes. The following field parameters were collected: pH, Specific Conductivity, Temperature, Turbidity, Dissolved Oxygen and Oxygen Reduction Potential. Stabilization was complete when three consecutive readings met the following criteria:

 $pH: \pm 0.1$

Specific Conductivity: ±3%

Temperature: ±3%

Turbidity: ±10 millivolts Dissolved Oxygen: ±10%

Oxygen Reduction Potential: +0.3 milligrams per liter

Final Stabilization Readings

Well #	Time	Purge	Specific	Temperature	Dissolved	Oxygen	Turbidity
		Volume	Conductivity		Oxygen	Reduction	Ĭ
						Potential	

1190505040—Madison County Hartford Hydrocarbon Plume Groundwater File

HMW25	8:44	4.5 L	810	17.82	0.13	143	0.30
HMW26	10:00	6.0 L	1370	18.97	0	-44	14.9
HMW27	2:20	12.0 L	1020	18.27	0	15	0
HMW28	10:10	4.5 L	773	18.34	0	121	0
HMW29	11:25	12.0 L	802	19.52	0	-35	6.4

The in-line flow cell was disconnected before sampling began. The groundwater samples were obtained directly from tubing attached to the well pump, and the sample bottles were filled to avoid overtopping and rinsing of the bottle. Duplicate samples were collected from every well in case additional analyses are necessary for verification purposes. Teklab provides the sample bottles and performs the laboratory analyses. After all of the wells were sampled, the filled sample bottles were stored in coolers on ice until they are driven to the laboratory.

The Trihyrdro personnel experienced some difficulties with the rented Monsoon bladder pump. While sampling monitoring well HMW27, the pump stopped operating. A new pump was delivered to the site that day, but the replacement pump controller stopped working before the start of purging HMW 28. A new pump could not be delivered until the next morning, so the final two wells, HMW28 and HMW29, were sampled on May 28, 2015.

Split samples

1 split with Apex on five monitoring wells: HWM25, HWM26, HWM27, HWM28 and HMW29.

My sampling technique was in general accordance with the Bureau of Land sampling procedures guidance document. Trihydro personnel operated the sampling equipment and we alternated filling the sample bottles. These wells were good producers, so there was plenty of water to fill all of Apex's and IEPA's bottles.

For each well, I filled three 40 ml preserved glass vials. Prior to sampling, I attached sample labels to each bottle, listing the following information: site number, site name, sampling date and sample ID number. I followed the Agency's procedure for assigning field numbers to the samples (e.g. G102).

After collection, I sealed all the samples according to Bureau of Land Administrative Procedure #39: Chain of Custody Procedures for DLPC/FOS Samples. I documented the samples on the DLPC/FOS Chain of Custody Document. Each sample was wrapped in bubble wrap and packed in coolers on ice. I had one set of trip blanks stored in the cooler each day of sampling.

This round of sampling lasted two days, and I was not able to deliver the samples to the laboratory until the end of second day of sampling. The bagged and sealed samples were stored in sample refrigerators at the Collinsville Regional Office. They were driven to the IEPA Springfield Laboratory on May 28, 2015.

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1190505040—Madison County Hartford Hydrocarbon Plume Groundwater File

The analytical data was received by the Collinsville Regional Office on June 15, 2015. The results for all five sentinel wells were nondetect. A copy of the results is attached.

1190505040 — Madison County Hartford Hydrocarbon Plume FOS File

DIGITAL PHOTOGRAPHS File Names: 1190505040-05272015-[Exp. #4].jpg



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Direction: \$

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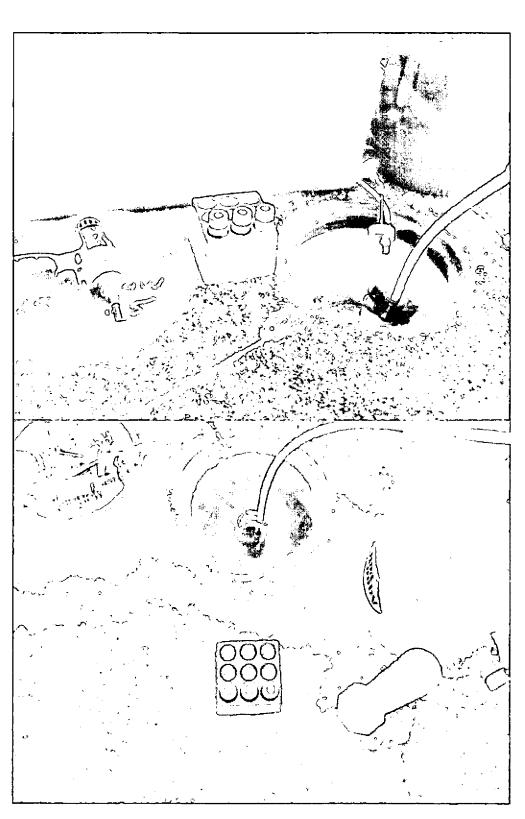
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1190505040 — Madison County **Hartford Hydrocarbon Plume** FOS File

DIGITAL PHOTOGRAPHS File Names: 1190505040 -05272015-[Exp. #4].jpg



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HARTFORD, ILLINOIS

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Bottos whete (res.) Total volume, 250 mL.

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5 Complete 'Sampless, 'Saless' and 'Comment' sections if the sample is to be imposed, the sits castodian relativishing patr to sampler also detected in the date of the sampless of the sampless' and contained the sampless' and contained the sampless' to contained for the text castodian relativishing patr to sampling should check the 'To contained for highward' too.

nation of Organio Compounds in Drinking Water, Supplement I. II. and III.

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SW484 - Fed Metrical for Evaluating Soft Wester EPA-22 I C-09-004 - Medicals and Caldenics for Analysis of Water Pedritron industrial Medicals - Thorstein Wester and Wester Pedritron industrial Medicals - Thorstein Wester Pedritron industrial Medicals - Thorstein Systems EPA-50 SM5310C = Standard Medinods for the Examination of Water and Westawater, 20th edition information on this page is believed to be accurate but is not guaranteed.



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

Client Sample ID:

LP52

Visit Number:

4.00

Trip ID:

G125

Lab Sample ID:

Temperature C:

SE51137-01

Matrix:

Water

Collected By: GS

Date/Time Collected:

05/27/15 8:50

Sample Type:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 17:11

<u>Analyte</u>	Result	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND	•	0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		. 0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

LP52

Visit Number:

Trip ID:

Temperature C:

4.00

Client Sample ID:

G126

Lab Sample ID:

SE51137-02

Matrix:

Water

Collected By: GS

Date/Time Collected:

05/27/15 10:05

Sample Type:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 17:50

<u>Analyte</u>	Result	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND	·	0.50	
cis-1,2-Dichloroethene	ND	•	0.50	70
1,2-Dichloroethane	ND		0.50	5 ,
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND	•	0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

LP52

Visit Number:

4.00

Trip ID:

G127

Lab Sample ID:

Temperature C:

SE51137-03

Matrix:

Water

Collected By: GS

Date/Time Collected:

05/27/15 14:25

Sample Type:

Client Sample ID:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 18:30

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	· ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND .		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND	•	0.50	600
1,2,4-Trichlorobenzene	ND		. 0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

Client Sample ID:

LP52

Visit Number: Temperature C:

4.00

Trip ID:

G128

Lab Sample ID:

SE51137-04

Matrix:

Water

Collected By: GS

Date/Time Collected:

05/28/15 10:10

Sample Type:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 19:10

<u>Analyte</u>	Result	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND .		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	-5
Chlorobenzene	, ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

LP52

Visit Number:

4.00

Trip ID:

Matrix:

Temperature C:

Lab Sample ID:

SE51137-05

Client Sample ID:

G129 Water

Collected By: GS

Date/Time Collected:

05/28/15 11:25

Sample Type:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 19:49

<u>Analyte</u>	Result	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

LP52

Visit Number:

Trip ID:

Temperature C:

4.00

Client Sample ID:

G129D

Lab Sample ID:

SE51137-06

Matrix:

Water

Collected By: GS

Date/Time Collected:

05/28/15 11:25

Sample Type:

Sample Depth:

Total Depth:

0

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 20:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported: 06/03/15 12:38 Page 6 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

Client Sample ID:

LP52

Visit Number:

Temperature C:

4.00

Trip ID:

TRIP BLANKS

Lab Sample ID:

SE51137-07

Matrix:

Water

Collected By:

Date/Time Collected:

05/27/15 0:00

Sample Type:

Sample Depth:

Total Depth:

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 21:09

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50 .	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

Client Sample ID:

LP52

Visit Number: Temperature C:

4.00

Trip ID:

TRIP BLANKS

Lab Sample ID:

SE51137-08

Matrix:

Collected By:

Water

Date/Time Collected:

05/28/15 0:00

Sample Type:

Sample Depth:

Total Depth:

Volatile Organic Compounds by GC/MS

Method:

524.2

Prepared:

05/28/15 14:04

Units:

ug/L

Analyzed:

05/28/15 21:48

Analyte	Result	<u>Qualifier</u>	Reporting Limit	Regulatory Level
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	001
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000



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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:

HARTFORD

Project/Facility Number:

1190505040

Date Received:

05/28/15

Funding Code:

LP52

Visit Number: Temperature C:

4.00

Trip ID:

Notes and Definitions

ND

Analyte NOT DETECTED at or above the reporting limit

Non-NELAP accredited

Report Authorized by:

Matthew C. Neely Organic Analysis Unit Supervisor The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported: 06/03/15 12:38 Page 9 of 9